

JOB SHEET 10-8
BACKING UP FILES
Using BACKFILE.CSS and/or BACKUP UTILITY
(From PUP Database to SCSI Tape)

INTRODUCTION

The PUP product database can be saved to a one-quarter inch SCSI Tape (in addition to the Archive IV Optical Disk) and then reloaded to the database for later investigation. More importantly, system files stored for protection on SCSI tape can be saved and reloaded into the PUP. These files include Adaptation Data (Product Colors, Adaptation RPS Lists, Non-Associated RPG telephone numbers), Background Map files, and User Function definitions.

Part One of this section introduces the "BACKFILE.CSS" program. The BACKFILE CSS program greatly simplifies the process of creating backup tapes. There is little keyboard entry and therefore less likelihood of error. BACKFILE can be used to automatically copy a default set of files to tape, or the operator may choose to enter specific filenames via the keyboard.

Part Two of this section covers the old reliable BACKUP.CSS program. This system requires more interaction and therefore more typing. The BACKUP.CSS does give you more flexibility.

This procedure may require prior approval by your instructor or focal point.

OBJECTIVE

Using the PUP Applications Terminal, PUP System Console, and 1/4 inch SCSI tape drive, you will be able to load data from the PUP onto a SCSI tape.

REFERENCE

NWS EHB 6-531, OPERATION INSTRUCTIONS: PUP GROUP, Table 2-2.12

Part One: Using the BACKFILE.CSS Program

PROCEDURE

NOTE - *Step 2 need not be done in lab.* It should be considered, however, when in the field to give your users some warning of a system shut-down. You may also consider sending a PUP Text Message to keep your users informed of your status.

1. At the PUP Applications Terminal, type **A.C.A** and press **RETURN**.
 - If an Archive function is running it is canceled.
2. Follow office procedures to notify your users that the PUP is going down.
3. At the PUP System Console, type **PUPDOWN** and press **RETURN**.
 - This command clears the PUP software from memory.
 - The PUPDOWN process checks the status of Archive IV. If archive is active, the message: *****CANCEL ARCHIVE BEFORE BRINGING PUP DOWN***** displays.
4. Check the SCSI tape cartridge and ensure the arrow on the screw is pointing away from safe.
 - Pointing the arrow away from safe, allows the tape to be written on.
CAUTION: *This procedure overwrites any data already on the tape.*
5. At the PUP Computer Cabinet, insert the SCSI tape into the drive. Then push the lever to the right, this locks the tape into the drive and rewinds it.

OPTION 1: COPY DEFAULT FILE LIST FROM DISK TO TAPE

6. At the PUP System Console, after the OS/32 prompt '*', type **BACKFILE** and press **RETURN**.
 - The BACKFILE CSS program will execute. The following files will automatically be copied from disk to tape, and the backup process will be verified:
ADAPT.DAT
BACKGRND.DAT
EBMFILE.DAT
UFFILE.DAT
DEFAULT.OS
 - Entering BACKFILE,NV on the command line will copy the above listed files, without the verify option being invoked.
 - When the task is complete, the response is: **END OF TASK 0** .

NOTE: If the end of task code is not 0, a problem may have occurred in the backup procedure and you should redo it.

OPTION 2: COPY USER SELECTED FILES FROM DISK TO TAPE

7. At the PUP System Console, after the OS/32 prompt '^*^', type: **BACKFILE CON**: and press **RETURN**.
 - The BACKFILE CSS program executes and configures the software to copy the specified user files from disk to tape and verifies the backup process.
 - Entering BACKFILE CON,NV on the command line will copy the files without the verify option being invoked.
 - The response is: *BACKUP>
8. Type the data files you need and press **RETURN** after each. Below is a list of the files to save.

<u>BACKGRND.DAT</u>	original background map files
<u>EBMFILE.DAT</u>	edited background map files

- The response is: *BACKUP>
9. Type **./** [dot slash] and press **RETURN**.
 - This is an end of data indicator telling the backup process to begin.
 10. Periodically type **DL** and press **RETURN**.
 - This is short for the OS/32 command **Display Logical Units**. It shows the progress of the file transfer (% completed) along with the logical assignments.
 - When the task is complete, the response is: END OF TASK 0 .

NOTE: If the end of task code is not 0, a problem may have occurred in the backup procedure and you should redo it.

11. Take the SCSI tape out of the tape drive, turn the arrow towards safe and store the tape.
12. At the PUP System Console, type **PUPUP** and press **RETURN**.

Part Two: Using the BACKUP.CSS Program

PROCEDURE

NOTE - **Step 2 need not be done in lab.** It should be considered, however, when in the field to give your users some warning of a system shut-down. You may also consider sending a PUP Text Message to keep your users informed of your status.

1. At the PUP Applications Terminal, type **A,C,A** and press **RETURN**.
 - If an Archive function is running it is canceled.
2. Follow office procedures to notify your users that the PUP is going down.
3. At the PUP System Console, type **PUPDOWN** and press **RETURN**.
 - This command clears the PUP software from memory.
 - The PUPDOWN process checks the status of Archive IV. If archive is active, the message: *****CANCEL ARCHIVE BEFORE BRINGING PUP DOWN***** displays.
4. Check the SCSI tape cartridge and ensure the arrow on the screw is pointing away from safe.
 - Pointing the arrow away from safe, allows the tape to be written on.
CAUTION: *This procedure overwrites any data already on the tape.*
5. At the PUP Computer Cabinet, insert the SCSI tape into the drive. Then push the lever to the right, this locks the tape into the drive and rewinds it.

STEPS 6 THROUGH 13 ARE PERFORMED AT THE **PUP SYSTEM CONSOLE**

6. At the OS/32 prompt '*', type **L BACKUP,500** and press **RETURN**.
 - The **L** is a shortcut command for **LOAD**. In OS/32, a task must be loaded into memory before it can be executed. This command loads the Backup task.
 - **BACKUP** is the task identifier. The **500** reserves a working space in memory for the **BACKUP** task to use.
 - The response is **TSKID = BACKUP**
7. Type **ST** and press **RETURN**.
 - **ST** is short for the **START** command. The **START** command is necessary to execute a task once it has been loaded.
 - The system responds with the following prompt: **BACKUP>**

TYPE THE FOLLOWING AT THE **BACKUP>** AND PRESS **RETURN** AFTER EACH.

8.

<u>I=DSC0:</u>	<u>Input device = Hard Disk</u>
<u>O=ST0:</u>	<u>Output device = Storage Tape (SCSI)</u>
<u>L=CON:</u>	<u>All List output is directed to the Console</u>
<u>SEL=CON:</u>	<u>Used if Selecting files off disk for copying or loading.</u>
<u>SIZ=250</u>	<u>Size in Kilobytes of output buffer (used for disk-to-tape operations.)</u>
<u>END</u>	<u>Ends the input of information to the BACKUP task.</u>

 - The response is: ***BACKUP>**
 - If you make a typographical error, the **BACKUP** task may pause. Type **CA BACKUP**, short for **CANCEL**, to cancel the task. When using the **CANCEL** command, specify the task to be canceled. After the task is canceled, go back to step 6.

9. Type the data files you need and press **RETURN** after each. Below is a list of the files to save.

BACKGRND.DAT

original background map files

EBMFILE.DAT

edited background map files

- The response is: *BACKUP>
10. Type . [dot slash] and press **RETURN**.
- This is an end of data indicator telling the backup process to begin.
11. Periodically type DL and press **RETURN**.
- This is short for the OS/32 command **Display Logical** Units. It shows the progress of the file transfer (% completed) along with the logical assignments.
 - When the task is complete, the response is: **END OF TASK 0** . If the end of task code is not 0, a problem may have occurred in the Backup Utility and you should redo it.
12. Take the SCSI tape out of the tape drive, turn the arrow towards safe and store the tape.
13. At the PUP System Console, type PUPUP and press **RETURN**.

END